CLAIMS

1. (currently amended) A system for drafting a patent application and assessing technological information on at least one computer, the system comprising:

    a. at least one input device connected to the at least one computer for receiving information inputs from at least one user, wherein the inputs include a text-based description of an invention;

    at least one processing means for automatically generating a diagrammatic representation of the invention by automatically transforming the information inputs including the text-based description, wherein the diagrammatic representation includes a hierarchical component categorization of the technical components including at least one key component and at least one subcomponent associated with the at least one key component of the invention based upon the information inputted by the at least one user, wherein the diagrammatic representation comprises graphical component structure and textual component content associated with each component such that for each component, the graphical component structure includes the textual component content, and for automatically generating a document for filing as a patent application, including specification and claims, based upon the information inputted by the at least one user and additional text-based detailed information that is organized consistent with the diagram; wherein the hierarchical component categorization includes at least one key component and at least one subcomponent related thereto, <u>wherein the hierarchical component categorization contains the full text of the textual component content;</u> wherein the diagrammatic representation of the

components and subcomponents together provides an indication of what may be

claimed in a patent application, and wherein the text-based information and the

diagram components are automatically directly linked by being visually integrated

with one another within the graphical component structure;

b. at least one output device connected to the at least one computer for outputting the

automatically generated diagrammatic representation of an invention wherein the

graphical component structure and textual component content being integrally

visually generated and linked in a single, interactive diagram.

2. (original) The system according to claim 1, wherein the diagram is modifiable by the at least one user and the diagram hierarchical component categorization and related text-based detailed information is automatically updated based upon the user modifications.

3. (original) The system according to claim 1, wherein the at least one key component includes a multiplicity of components.

4. (original) The system according to claim 1, wherein the at least one subcomponent further includes at least one sub-subcomponent.

5. (original) The system according to claim 1, wherein the relational connection between components establishes the claims structure of the patent application.

6. (previously cancelled)

7. (original) The system according to claim 6, wherein the link(s) are hyperlinks.

8. (original) The system according to claim 1, wherein the document and diagram are capable of being output into another software program.

9. (original) The system according to claim 1, wherein the document and diagram are

exportable in HTML format.

10. (original) The system according to claim 1, wherein the document and diagram are

exportable in XML format.

11. (currently amended) A method for drafting a patent application comprising the steps of:

    a. providing a system for receiving information inputs relating to an invention, wherein

the system includes a computer having a processor, a memory, graphic user interface, and

input mechanisms;

    b. the system automatically transforming the inputs by automatically generating a visual

diagram of the components of the invention in a hierarchical relational diagram including at

least one key component and at least one subcomponent associated with the at least one key

component, wherein the visual diagram is a diagrammatic representation of an invention,

wherein the diagrammatic representation includes a hierarchical component categorization of

the technical components of the invention based upon the user inputted information, wherein

the diagrammatic representation comprises graphical component structure and textual

component content wherein the textual component is positioned within the graphical

component structure for each component associated with each component such that for each

component, the graphical component structure includes the full text of the textual component

content, wherein the textual component and the diagram components are automatically

directly linked by being visually integrated with one another within the diagrammatic

representation and wherein the graphical component structure and textual component content

being integrally visually generated and linked in a single interactive diagram, and

automatically generating a document for filing as a patent application, including specification

and claims, based upon the user inputted information and additional text-based detailed

information that is organized consistent with the diagram; wherein the hierarchical

component categorization includes at least one key component and at least one

subcomponent related thereto; and

    c. the at least one user viewing the diagram and text-based information in a tangible

medium, wherein the diagrammatic representation of the components and subcomponents

together provides an indication of what may be claimed in a patent application.

12. (previously amended) The method according to claim 11, further including the step of:

at least one user entering diagram verbiage by drafting the text-based detailed description or

verbiage of the specification section of the application for each component of the diagram

wherein the text-based description and the diagram verbiage are automatically directly linked

by being visually integrated with one another where the text associated with each component

is included only within the diagram section for that component.

13. (original) The method according to claim 11, further including the step of:

at least one user inputting additional components selected from the group consisting of key

components, subcomponents, and sub-subcomponents.

14. (original) The method according to claim 11, further including the steps of:

modifying any previously inputted components within the diagram; and

the system automatically updating the diagram and relational information to those modified

components.

15. (original) The method according to claim 11, further including the step of automatically

generating a patent application based upon the inputted information and the hierarchical

diagram, including specification and claims.

16. (currently amended) A system for mapping technology using at least one computing

device, comprising:

   a. at least one input device connected to the at least one computing device for receiving

information inputs from at least one user;

   b. at least one processing means for automatically generating a diagrammatic

representation of a technology, wherein the diagrammatic representation includes a

hierarchical component categorization of the technical components of the technology

including at least one key component and at least one subcomponent associated with the at

least one key component based upon the information inputted by the at least one user,

wherein the diagrammatic representation comprises a visually integrated and linked graphical

component structure and textual component content associated with each component such

that for each component, the graphical component structure for each component includes the

full text of the textual component content for that component only, wherein the hierarchical

component categorization includes at least one key component and at least one

subcomponent related thereto and the graphical component structure and textual component

content being integrally visually generated and linked in a single interactive diagram; and

   c. at least one output device connected to the at least one computing device for outputting

the automatically generated diagrammatic representation of a technology showing the

visually integrated and linked diagram and text-based components in the corresponding

hierarchical relationship.

17. (currently amended) A method for mapping technology comprising the steps of:

a. providing a system for receiving information inputs relating to an invention, wherein

the system includes a computer having a processor, a memory, graphic user interface, and

input mechanisms and providing information inputs to the system relating to components of a

technology;

b. transforming the information inputs by automatically generating a visual diagram of

the components of the technology in a hierarchical relational diagram including at least one

key component and at least one subcomponent associated with the at least one key

component, wherein the visual diagram is a diagrammatic representation of a technology,

wherein the diagrammatic representation includes a hierarchical component categorization of

the technical components of the technology based upon the user inputted information,

wherein the diagrammatic representation comprises graphical component structure and

textual component content associated with each component such that for each component,

the graphical component structure for each component includes the <u>full text of the</u> textual

component content directly related only to that specific component, and outputting a

viewable diagram of that categorization that is integrally visually generated and linked in a

single interactive diagram wherein each of the components and its corresponding text-based

information and its corresponding diagram components are automatically directly linked by

being visually integrated with one another within the graphical component structure; wherein

the hierarchical component categorization includes at least one key component and at least one subcomponent related thereto, and

    c. the at least one user viewing the diagram and text-based information in a tangible medium.

18. (previously canceled)

19. (previously canceled)